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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.4150002

APPLICATION NO.
09/883,183

APPLICANT
Blakesley, R.W.

FILING DATE
June 19, 2001

GROUP
1656

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	4,683,195	07/28/1987	Mullis et al.	435	6	02/07/1986
	AB1	4,683,202	07/28/1987	Mullis K.	435	91	10/25/1985
	AC1	4,766,072	08/23/1988	Jendrisak et al.	435	91	07/17/1985
	AD1	4,767,708	08/30/1988	Minkley, Jr. et al.	435	194	08/07/1984
	AE1	4,795,699	01/03/1989	Tabor et al.	435	5	01/14/1987
	AF1	4,800,159	01/24/1989	Mullis et al.	435	172.3	12/17/1986
	AG1	4,851,331	07/25/1989	Vary et al.	435	6	05/16/1986
	AH1	4,863,849	09/05/1989	Melamede R.	435	6	07/18/1985
	AI1	4,952,496	08/28/1990	Studier et al.	435	91	12/29/1986
	AJ1	4,962,020	10/09/1990	Tabor et al.	435	6	07/12/1988
	AK1	4,965,188	10/23/1990	Mullis et al.	435	6	06/17/1987

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	EP 0 386 858	09/12/1990	Europe			Yes No
	AM1	EP 0 386 859	09/12/1990	Europe			Yes No
	AN1	EP 0 409 078	01/23/1991	Europe			Yes No
	AO1	WO 91/09950	07/11/1991	WIPO			Yes No
	AP1	WO 92/06188	04/16/1992	WIPO			Yes No

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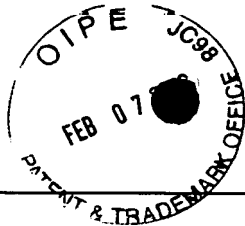
	AR	1	Allen, T. et al., "Cloning and expression of the adenine phosphoribosyltransferase gene from <i>Leishmania donovani</i> ," <i>Molecular and Biochemical Parasitology</i> 74(1):99-103 (October 1995)
	AS	1	Beabealashvili, R.S. et al., "Nucleoside 5'-triphosphates modified at sugar residues as substrates for calf thymus terminal deoxynucleotidyl transferase and for AMV reverse transcriptase," <i>Biochimica et Biophysica Acta</i> 868(2/3):136-144 (1986)
	AT	1	Bult, C.J. et al., "Complete Genome Sequence of the Methanogenic Archaeon, <i>Methanococcus jannaschii</i> ," <i>Science</i> 273:1058-1072 (August 1996)

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Page 2 of 15

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	AA2	4,971,903	11/20/1990	Hyman E.	435	6	03/25/1988
	AB2	5,003,059	03/26/1991	Brennan T.	536	27	06/20/1988
	AC2	5,026,645	06/25/1991	Kotani et al.	435	494	10/19/1987
	AD2	5,075,216	12/24/1991	Innis et al.	435	6	09/23/1988
	AE2	5,079,352	01/07/1992	Gelfand et al.	536	27	05/15/1990
	AF2	5,091,310	02/25/1992	Innis M.	435	91	09/23/1988
	AG2	5,102,802	04/07/1992	McAllister W.	435	252.33	01/02/1991
	AH2	5,106,729	04/21/1992	Lindsay et al.	435	6	07/24/1989
	AI2	5,108,892	04/28/1992	Burke et al.	435	6	08/03/1989
	AJ2	5,122,457	06/16/1992	Reim et al.	435	69.1	10/19/1989
	AK2	5,124,247	06/23/1992	Ansorge W.	435	6	12/11/1989

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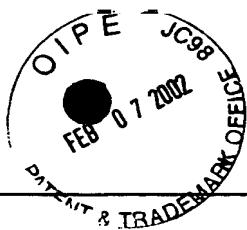
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	AL2	WO 92/06202	04/16/1992	WIPO			Yes No
	AM2	EP 0 482 714	04/29/1992	Europe			Yes No
	AN2	CA 1,311,201	12/08/1992	Canada			Yes No
	AO2	WO 93/04184	03/04/1993	WIPO			Yes No
	AP2	WO 93/05060	03/18/1993	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Charng, Y. et al., "Molecular cloning and expression of the gene encoding ADP-glucose pyrophosphorylase from the cyanobacterium <i>Anabaena</i> sp. strain PCC 7120," <i>Plant Mol. Biol.</i> 20(1):37-47 (1992)
	AS	2	Chidgeavadze, Z.G. and R.S. Beabealashvilli, "2',3'-Dideoxy-3'aminonucleoside 5'-triphosphates are the terminators of DNA synthesis catalyzed by DNA polymerases," <i>Nucl. Acids Res.</i> 12(3):1671-1686 (1984)
	AT	2	Chidgeavadze, Z.G. et al., "3'-Fluoro-2',3'-dideoxyribonucleoside 5'-triphosphates:terminators of DNA synthesis," <i>FEBS Letters</i> 183(2):275-278 (1985)

EXAMINER 	DATE CONSIDERED 2-9-02
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	AA3	5,126,251	06/30/1992	Moss <i>et al.</i>	435	69.1	03/01/1990
	AB3	5,142,033	08/25/1992	Innis M.	536	27	07/31/1991
	AC3	5,173,411	12/22/1992	Tabor <i>et al.</i>	435	91	04/12/1991
	AD3	5,192,674	03/09/1993	Oshima <i>et al.</i>	435	194	08/24/1989
	AE3	5,198,543	03/30/1993	Blanco <i>et al.</i>	536	23.2	03/13/1991
	AF3	5,210,036	05/11/1993	Comb <i>et al.</i>	435	194	04/26/1990
	AG3	5,242,818	09/07/1993	Oshima <i>et al.</i>	435	194	06/05/1992
	AH3	5,270,179	12/14/1993	Chatterjee D.	435	69.1	01/28/1992
	AI3	5,308,751	05/03/1994	Ohkawa <i>et al.</i>	435	6	03/23/1992
	AJ3	5,332,666	07/26/1994	Prober <i>et al.</i>	435	91.5	10/22/1991
	AK3	5,352,778	10/04/1994	Comb <i>et al.</i>	536	23.2	12/15/1993

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	AL3	EP 0 547 359	06/23/1993	Europe			Yes No
	AM3	WO 93/20232	10/14/1993	WIPO			Yes No
	AN3	WO 94/03643	02/17/1994	WIPO			Yes No
	AO3	WO 94/16107	07/21/1994	WIPO			Yes No
	AP3	WO 94/26911	11/24/1994	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

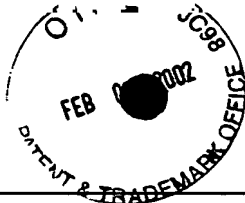
	AR	3	Chidgeavdze, Z.G. <i>et al.</i> , "Nucleoside 5'-triphosphates with modified sugars as substrates for DNA polymerases," <i>Biochimica et Biophysica Acta</i> 868(2/3):145-152 (1986)
	AS	3	Dyatkina, N. <i>et al.</i> , "Properties of 2',3'-dideoxy-2',3'-dehydrothymidine 5'-triphosphate in terminating DNA synthesis catalyzed by several different DNA polymerases," <i>FEBS Letters</i> 219(1):151-155 (1987)
	AT	3	Feldmann, R.C. <i>et al.</i> , "Decreased Metabolism and Viability of <i>Mycoplasma hominis</i> Induced by Monoclonal Antibody-Mediated Agglutination," <i>Infection and Immunity</i> 60(1):166-174 (1992)

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Page 1 of 15

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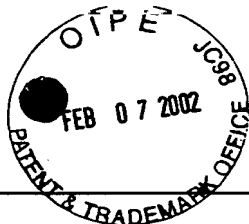
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	AA4	5,374,553	12/20/1994	Gelfand et al.	435	252.3	08/13/1990
	AB4	5,403,709	04/04/1995	Agrawal et al.	435	6	10/06/1992
	AC4	5,405,746	04/11/1995	Uhlen M.	435	6	09/22/1993
	AD4	5,405,747	04/11/1995	Jett et al.	435	6	03/07/1994
	AE4	5,405,774	04/11/1995	Abramson et al.	435	252.3	09/10/1993
	AF4	5,405,776	04/11/1995	Kotewicz et al.	435	252.33	01/24/1992
	AG4	5,407,799	04/18/1995	Studier F.	435	6	10/12/1993
	AH4	5,409,811	04/25/1995	Tabor et al.	435	6	04/16/1992
	AI4	5,411,862	05/02/1995	Ruggiu et al.	435	6	04/23/1993
	AJ4	5,413,926	05/09/1995	Oshima et al.	435	194	06/05/1992
	AK4	5,420,029	05/30/1995	Gelfand et al.	435	194	08/13/1991

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL4	WO 95/04162	02/09/1995	WIPO			Yes No
	AM4	EP 0 647 716	04/12/1995	Europe			Yes No
	AN4	WO 95/14770	06/01/1995	WIPO			Yes No
	AO4	WO 95/15380	06/08/1995	WIPO			Yes No
	AP4	WO 95/20682	08/03/1995	WIPO			

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	4	Ghim, S. and J. Neuhard, "The Pyrimidine Biosynthesis Operon of the Thermophile <i>Bacillus caldolyticus</i> Includes Genes for Uracil Phosphoribosyltransferase and Uracil Permease," <i>J. Bacteriology</i> 176(12):3698-3707 (1994)
	AS	4	Hughes, K.T. et al., "The <i>Salmonella typhimurium nadC</i> Gene: Sequence Determination by Use of Mud-P22 and Purification of Quinolinate Phosphoribosyltransferase," <i>J. Bacteriology</i> 175(2): 479-486 (1993)
	AT	4	Jagadeeswaran, P. et al., "Nucleotide sequence and analysis of deletion mutants of the <i>Escherichia coli gpt</i> gene in plasmid pSV _{gpt} ," <i>Gene</i> 31:309-313 (1984)

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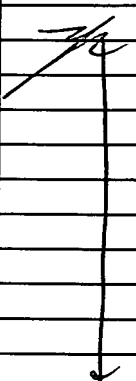


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Page 3 of 15

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA5	5,432,065	07/11/1995	Fuller C.	435	91.1	03/30/1993
	AB5	5,436,149	07/25/1995	Barnes W.	435	194	02/19/1993
	AC5	5,436,326	07/25/1995	Ishino <i>et al.</i>	536	23.2	03/09/1994
	AD5	5,455,170	10/03/1995	Abramson <i>et al.</i>	435	252.3	08/27/1993
	AE5	5,466,591	11/14/1995	Abramson <i>et al.</i>	435	194	09/30/1991
	AF5	5,474,920	12/12/1995	Moses R.	435	194	11/23/1993
	AG5	5,484,701	01/16/1996	Cocuzza <i>et al.</i>	435	6	01/31/1992
	AH5	5,489,523	02/06/1996	Mathur E.	435	194	10/26/1992
	AI5	5,498,523	03/12/1996	Tabor <i>et al.</i>	435	6	07/14/1994
	AJ5	5,500,363	03/19/1996	Comb <i>et al.</i>	435	194	09/07/1993
	AK5	5,503,980	04/02/1996	Cantor C.	435	6	10/17/1994

FOREIGN PATENT DOCUMENTS							
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[Signature]	AL5	WO 95/23236	08/31/1995	WIPO			Yes No
	AM5	WO 95/27067	10/12/1995	WIPO			Yes No
	AN5	EP 0 701 000	03/13/1996	Europe			Yes No
	AO5	WO 96/10640	04/11/1996	WIPO			Yes No
	AP5	WO 96/14405	05/17/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
[Signature]	AR	5	Jiang, Y. <i>et al.</i> , "Crithidia fasciculata: Isolation, Sequencing, and Expression of the Hypoxanthine-Guanine Phosphoribosyltransferase Gene," <i>Exper. Parasitology</i> 82(1):73-75 (January 1996)
	AS	5	Johnson, J.C. <i>et al.</i> , "An Enzymic Method for Determination of Inorganic Pyrophosphate and Its Use as an Assay for RNA Polymerase," <i>Analytical Biochem.</i> 26(1):137-145 (1968)
	AT	5	Kalmar, G.B. <i>et al.</i> , "Cloning and expression of rat liver CTP:phosphocholine cytidylyltransferase: An amphipathic protein that controls phosphatidylcholine synthesis," <i>Proc. Natl. Acad. Sci. USA</i> 87(16):6029-6033 (1990)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA6	5,512,458	04/30/1996	Leonard J.	435	91.1	07/14/1994
	AB6	5,512,462	04/30/1996	Cheng S.	435	91.2	02/25/1994
	AC6	5,516,633	05/14/1996	Fuller C.	435	6	08/06/1992
	AD6	5,525,464	06/11/1996	Drmanac et al.	435	6	02/28/1994
	AE6	5,525,470	06/11/1996	Cohen et al.	435	6	01/26/1994
	AF6	5,545,552	08/13/1996	Mathur E.	435	252.3	04/19/1995
	AG6	5,547,859	08/20/1996	Goodman et al.	435	91.1	08/02/1993
	AH6	5,550,035	08/27/1996	Moss et al.	435	69.1	01/26/1994
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	AJ						
	AK						

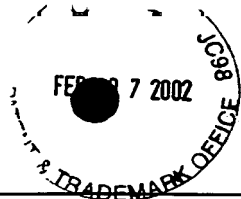
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	AM6	WO 96/14434	05/17/1996	WIPO			Yes No
	AN6	EP 0 712 927	05/22/1996	Europe			Yes No
	AO6	EP 0 763 599	03/19/1997	Europe			Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	6	Kim, D. and S.M. Smith, "Molecular cloning of cucumber phosphoenolpyruvate carboxykinase and developmental regulation of gene expression," <i>Plant Mol. Biol.</i> 26(1):423-434 (1994)
	AS	6	Kornberg, A. and T.A. Baker, "Biosynthesis of DNA Precursors," In: <i>DNA Replication 2nd Edition</i> , W.H. Freeman and Company publ. New York pp.68-69 (1992)
	AT	6	Krayevsky, A.A. et al., "Selective Inhibition of DNA Chain Elongation Catalyzed By DNA Polymerases," <i>Nucleosides & Nucleotides</i> 7(5&6):613-617 (1988)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	Z	Kutateladze, T.V. et al., "3'-Hydroxymethyl 2'-deoxynucleoside 5'-triphosphates are inhibitors highly specific for reverse transcriptase," <i>FEBS Letters</i> 207(2):205-212 (1986)
	AS	Z	Ladror, U.S. et al., "Cloning, Sequencing, and Expression of Pyrophosphate-dependent Phosphofructokinase from <i>Propionibacterium freudenreichii</i> ," <i>J. Biol. Chem.</i> 266(25):16550-16555 (1991)
	AT	Z	Leyh, T.S. et al., "The Sulfate Activation Locus of <i>Escherichia coli</i> K12: Cloning, Genetic, and Enzymatic Characterization," <i>J. Biol. Chem</i> 263(5):2409-2416 (1988)

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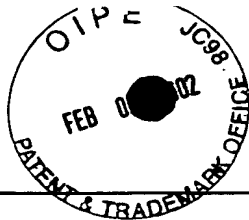
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	8	Leyh, T.S. et al., "The DNA Sequence of the Sulfate Activation Locus from <i>Escherichia coli</i> K-12," <i>J. Biol.Chem.</i> 267(15):10405-10410 (1992)
	AS	8	Ludin, K.M. et al., "The <i>ade4</i> gene of <i>Schizosaccharomyces pombe</i> : cloning, sequence and regulation," <i>Curr.Genet.</i> 25(1):465-468 (1994)
	AT	8	Marolda, C.L. and M.A. Valvano, "Identification, Expression, and DNA Sequence of the GDP-Mannose Biosynthesis Genes Encoded by the 07 <i>rfb</i> Gene Cluster of Strain VW187 (<i>Escherichia coli</i> 07:K1)," <i>J. Bacteriology</i> 175(1):148-158 (1993)

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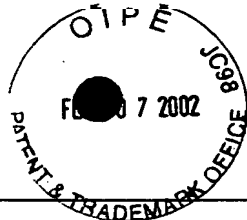
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Müller-Röber, B. <i>et al.</i> , "Isolation and expression analysis of cDNA clones encoding a small and a large subunit of ADP-glucose pyrophosphorylase from sugar beet," <i>Plant Mol. Biol.</i> 27(1):191-197 (January 1995)
	AS	2	Nakagawa, S. <i>et al.</i> , "Nucleotide Sequence of the FAD Synthetase Gene from <i>Corynebacterium ammoniagenes</i> and Its Expression in <i>Escherichia coli</i> ," <i>Biosci. Biotech. Biochem.</i> 59(4):694-702 (April 1995)
	AT	2	Nyrén, P., "Enzymatic Method for Continuous Monitoring of DNA Polymerase Activity," <i>Analytical Biochem.</i> 167(2):235-238 (1987)

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FORM PTO-1449

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ATTY. DOCKET NO.
0942.4150002APPLICATION NO.
09/883,183APPLICANT
Blakesley, R.W.FILING DATE
June 19, 2001GROUP
1656

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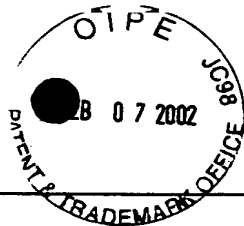
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>10</u>	Pla, J. et al., "Cloning of the <i>Candida albicans</i> HIS1 gene by direct complementation of a <i>C. albicans</i> histidine auxotroph using an improved double-ARS shuttle vector," <i>Gene</i> 165(1):115-120 (November 1995)
	AS	<u>10</u>	Pyrinova, G.B. et al., "Selective Inhibition of Reverse Transcription in Type-A Retroviral Particles From Rat Liver by 3'-Azido-2',3'-dideoxythymidine-5' triphosphate," <i>Molekulyarnaya Biologiya</i> 22(5):1128-1132 (1988)
	AT	<u>10</u>	Rose, A.B. et al., "A Phosphoribosylanthranilate Transferase Gene Is Defective in Blue Fluorescent <i>Arabidopsis thaliana</i> Tryptophan Mutants," <i>Plant Physiol.</i> 100(2):582-592 (1992)

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Page 11 of 15

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4150002	APPLICATION NO. 09/883,183
	APPLICANT Blakesley, R.W.	
	FILING DATE June 19, 2001	GROUP 1656

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	AR	11	Ruan, C.C. et al., "Role of Pyrophosphorolysis in DNA Sequencing," <i>Editorial Comments, US Biochemical Corp.</i> 17(1):1-27 (1990)
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Page 12 of 15

FORM PTO-1449

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0942.4150002APPLICATION NO.
09/883,183APPLICANT
Blakesley, R.W.FILING DATE
June 19, 2001GROUP
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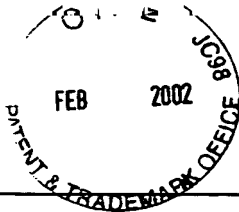
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June 19, 2001GROUP
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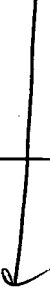
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	AS	<u>13</u>	Weissborn, A.C. et al., "UTP: α -D-Glucose-1-Phosphate Uridylyltransferase of <i>Escherichia coli</i> : Isolation and DNA Sequence of the <i>galU</i> Gene and Purification of the Enzyme," <i>J. Bacteriology</i> 176(9):2611-2618 (1994)
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Page 14 of 15

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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0942.4150002APPLICATION NO.
09/883,183APPLICANT
Blakesley, R.W.FILING DATE
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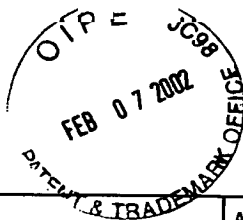
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	AS	<u>14</u>	Zhu, X. et al., "Role of Glycine 212 in the Allosteric Behavior of Phosphofructokinase from <i>Bacillus stearothermophilus</i> ," <i>Biochem.</i> 34(8):2560-2565 (February 1995)
	AT	<u>14</u>	English language abstract of EP 0 409 078, WPI Accession No. 91-023706/199104

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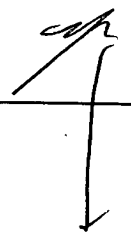
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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	AS	<u>15</u>	English language abstract of Document AS12, article by S. Vakulenko, Medline Identification no. 9421992
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FORM PTO-1449 <u>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.4150002	APPLICATION NO. 09/883,183
	APPLICANT Blakesley, R.W.	
	FILING DATE June 19, 2001	GROUP 1656

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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	AT	<u>15</u>	Abbotts, J., et al., "Studies on the Mechanism of <i>Escherichia coli</i> DNA Polymerase I Large Fragment," <i>J. Biol. Chem.</i> 263:15094-15103 (1988)

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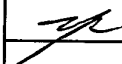
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Blakesley, R.W.FILING DATE
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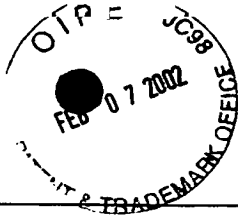
	AR	<u>16</u>	Beato, M., "Gene Regulation by Steroid Hormones," <i>Cell</i> 56:335-344 (1989)
	AS	<u>16</u>	Boisclair, Y. R., and Brown, A. L., "Use of Reverse Ligation-PCR to Identify Transcriptional Start Sites in GC-Rich TATA-Less Genes: Application to the Rat IGFBP-2 Gene," <i>DNA and Cell Biol.</i> 14:731-739 (August 1995)
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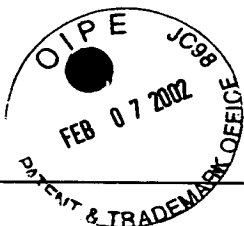
	AR	<u>17</u>	Brooks, R. R., and Andersen, J. A., "Substrate, Metal and Template Effects on Inhibition of Bacteriophage-Q β Ribonucleic Acid Polymerase by Ortho- and Pyrophosphate," <i>Biochem. J.</i> 171:725-732 (1978)
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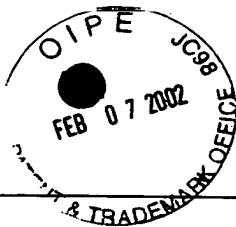
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	AS	<u>18</u>	Donehower, L. A., et al., "Regulatory and Coding Potential of the Mouse Mammary Tumor Virus Long Terminal Redundancy," <i>J. Virol.</i> 37:226-238 (1981)
	AT	<u>18</u>	Elledge, S. J., et al., "AYES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:1731-1735 (1991)

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	AT	<u>19</u>	Gibbs, J. S., et al., "Sequence and mapping analyses of the herpes simplex virus DNA polymerase gene predict a C-terminal substrate binding domain," <i>Proc. Natl. Acad. Sci. USA</i> 82:7969-7973 (1985)

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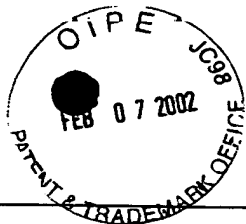
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	AT	<u>20</u>	Hyman, E. D., "A New Method of Sequencing DNA," <i>Analyt. Biochem.</i> 174:423-436 (1988)

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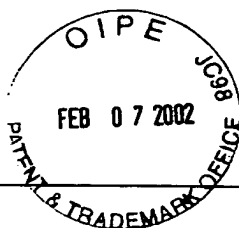
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	AS	<u>21</u>	Kern, D., et al., "The Glutaminyl-Transfer RNA Synthetase of <i>Escherichia coli</i> , Purification, Structure and Function Relationship," <i>Biochim. Biophys. Acta</i> 607:65-80 (1980)
	AT	<u>21</u>	Kuchta, R. D., et al., "Kinetic Mechanism of DNA Polymerase I (Klenow)," <i>Biochemistry</i> 26:8410-8417 (1987)

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Blakesley, R.W.FILING DATE
June 19, 2001GROUP
1656

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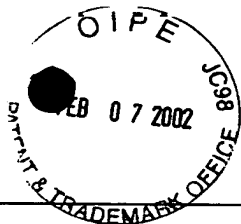
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	AR	<u>22</u>	Kunkel, T. A., et al., "On the Fidelity of DNA Synthesis," <i>J. Biol. Chem.</i> 261:13610-13616 (1986)
	AS	<u>22</u>	Kurilova, S. A., et al., "Expression of <i>Saccharomyces cerevisiae</i> inorganic pyrophosphatase in <i>Escherichia coli</i> ," <i>FEBS Lett.</i> 333:280-282 (1993)
	AT	<u>22</u>	Lavrik, O. I., et al., "Modification of Klenow Fragment of <i>Escherichia coli</i> DNA Polymerase I at Tyrosine Residues by Acetylimidazole," <i>Mol. Biol.</i> 22:392-398 (1988)

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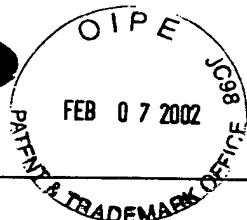
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	AT	23	Lerchl, J., et al., "Molecular cloning, characterization and expression analysis of isoforms encoding tonoplast-bound proton-translocating inorganic pyrophosphatase in tobacco," <i>Plant Mol. Biol.</i> 29:833-840 (November 1995)

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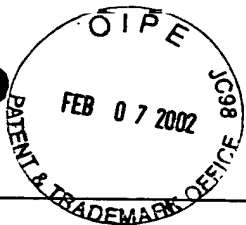
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	AR	<u>24</u>	Maruyama, K., and Sugano, S., "Oligo-capping: a simple method to replace the cap structure of eukaryotic mRNAs with oligoribonucleotides," <i>Gene</i> 138:171-174 (1994)
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	AT	<u>24</u>	Meyer, W., et al., "Purification, Cloning, and Sequencing of Archaeobacterial Pyrophosphatase from the Extreme Thermoacidophile <i>Sulfolobus acidocaldarius</i> ," <i>Archives Biochem. Biophys.</i> 319:149-156 (May 1995)

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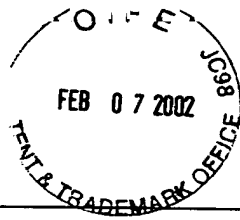
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	AR	<u>25</u>	Mizrahi, V., et al., "Rate-Limiting Steps in the DNA Polymerase I Reaction Pathway," <i>Biochemistry</i> 24:4010-4018 (1985)
	AS	<u>25</u>	Mizrahi, V., et al., "Mechanism of the idling-turnover reaction of the large (Klenow) fragment of <i>Escherichia coli</i> DNA polymerase I," <i>Proc. Natl. Acad. Sci. USA</i> 83:231-235 (1986)
	AT	<u>25</u>	Möller, W., and Amons, R., "Phosphate-binding sequences in nucleotide-binding proteins," <i>FEBS Lett.</i> 186:1-7 (1985)

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	AR	26	Murata, J., et al., "cDNA Cloning of the Human Tumor Motility-stimulating Protein, Autotaxin, Reveals a Homology with Phosphodiesterases," <i>J. Biol. Chem.</i> 269:30479-30484 (1994)
	AS	26	Nyrén, P., and Lundin, A., "Enzymatic Method for Continuous Monitoring of Inorganic Pyrophosphate Synthesis," <i>Analyt. Biochem.</i> 151:504-509 (1985)
	AT	26	Oka, M., and McCormick, D. B., "Complete Purification and General Characterization of FAD Synthetase from Rat Liver," <i>J. Biol. Chem.</i> 262:7418-7422 (1987)

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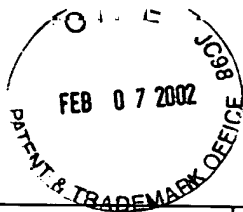
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	AT	<u>27</u>	Putnins, R. F., and Yamada, E. W., "Calorimetric Determination of Inorganic Pyrophosphate by a Manual or Automated Method," <i>Analyt. Biochem.</i> 68:185-195 (1975)

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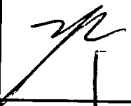

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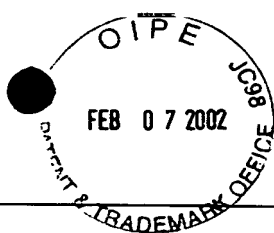
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>28</u>	Richter, O-M. H., and Schäfer, G., "Cloning and sequencing of the gene for the cytoplasmic inorganic pyrophosphatase from the thermoacidophilic archaebacterium <i>Thermoplasma acidophilum</i> ," <i>Eur. J. Biochem.</i> 209:351-355 (1992)
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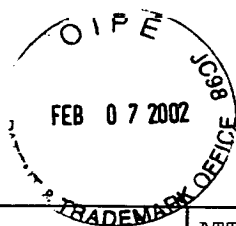
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	AR	<u>29</u>	Rubin, H., "Central role for magnesium in coordinate control of metabolism and growth in animal cells," <i>Proc. Natl. Acad. Sci. USA</i> 72:3551-3555 (1975)
	AS	<u>29</u>	Seal, G., and Loeb, L. A., "On the Fidelity of DNA Replication," <i>J. Biol. Chem.</i> 251:975-981 (1976)
	AT	<u>29</u>	Siebers, B., et al., "Ppi-Dependent Phosphofructokinase from <i>Thermoproteus tenax</i> , an Archaeal Descendent of an Ancient Line in Phosphofructokinase Evolution," <i>J. Bacteriol.</i> 180:2137-2143 (April 1998)

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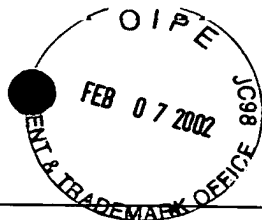
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	AR	<u>30</u>	Silverman, L. J., et al., "Genetic Analysis of Human Hypoxanthine-Guanine Phosphoribosyltransferase Deficiency," <i>Enzyme</i> 38:36-44 (1987)
	AS	<u>30</u>	Srivastava, A., and Modak, M. J., "Enzymatic Activities Associated with Avian and Murine Retroviral DNA Polymerases," <i>J. Biol. Chem.</i> 255:2000-2004 (1980)
	AT	<u>30</u>	Suttle, D. P., et al., "Molecular cloning and nucleotide sequence for the complete coding region of human UMP synthase," <i>Proc. Natl. Acad. Sci. USA</i> 85:1754-1758 (1988)

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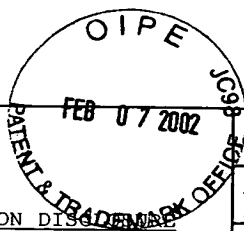
	AR	<u>31</u>	Tabor, S., and Richardson, C. C., "A bacteriophage T7 RNA polymerase/promoter system for controlled exclusive expression of specific genes," <i>Proc. Natl. Acad. Sci. USA</i> 82:1074-1078 (1985)
	AS	<u>31</u>	Tabor, S., and Richardson, C. C., "DNA sequence analysis with a modified bacteriophage T7 DNA polymerase," <i>Proc. Natl. Acad. Sci. USA</i> 84:4767-4771 (1987)
	AT	<u>31</u>	Tabor, S., and Richardson, C. C., "Selective Oxidation of the Exonuclease Domain of Bacteriophage T7 DNA Polymerase," <i>J. Biol. Chem.</i> 262:15330-15333 (1987)

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	AR	<u>32</u>	Tabor, S., et al., "Escherichia coli Thioredoxin Confers Processivity on the DNA Polymerase Activity of the Gene 5 Protein of Bacteriophage T7," <i>J. Biol. Chem.</i> 262:16212-16223 (1987)
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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4150002	APPLICATION NO. 09/883,183
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	FILING DATE June 19, 2001	GROUP 1656

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	AJ6	4,595,660	06/17/1986	Ostroff et al.	435	172.5	
	AK6	5,001,050	03/19/1991	Blanco et al.	435	5	

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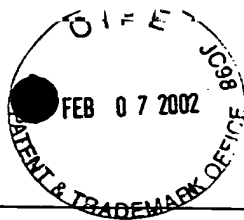
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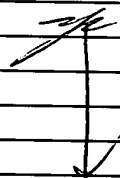


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	AA7	5,047,342	09/10/1991	Chatterjee	435	194	
	AB7	5,322,785	06/21/1994	Comb et al.	435	194	
	AC7	5,424,190	06/13/1995	Fuller	435	6	
	AD7	5,480,980	01/02/1996	Seela	536	23.1	
	AE7	5,665,551	09/09/1997	Gelfand et al.	435	6	
	AF7						
	AG7						
	AH7						
	AI7						
	AJ7						
AK7							

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL7	WO 90/12111	10/18/1990	WIPO			Yes No
	AM7	WO 93/06243	04/01/1993	WIPO			Yes No
	AN7	WO 94/05797	03/17/1994	WIPO			Yes No
	AO7	WO 95/28636	10/26/1995	WIPO			Yes No
	AP7						Yes No

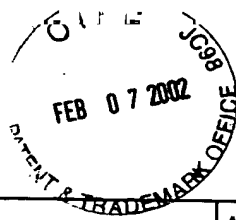
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
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	AT		

EXAMINER

DATE CONSIDERED

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FORM PTO-1449

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.4150002APPLICATION NO.
09/883,183APPLICANT
Blakesley, R.W.FILING DATE
June 19, 2001GROUP
1656

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM8	WO 90/12111	10/18/1990	WIPO <i>Duplicate</i>			Yes No
	AN8	WO 93/02212	02/04/1993	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	34	Fuller, C.W., et al., "Mechanisms for the Initiation of Bacteriophage T7 DNA Replication," in Structures of DNA, Cold Spring Harbor Symposia on Quantitative Biology, Vol. XLVII, Cold Spring Harbor Laboratory, pp. 669-679 (1983). <i>Duplicate</i>
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	AT	34	Matson, S.W., et al., "The Gene 4 Protein of Bacteriophage T7," J. Biol. Chem. 258:14017-14024 (1983). <i>Duplicate</i>

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FEB 07 2002



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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>35</u>	NCBI Entrez, Genbank Report, Accession No. D50811, Hisao, O., (May 31, 1995).
	AS	<u>35</u>	NCBI Entrez, GenBank Report, Accession No. U13860, Malone, J.A., (August 19, 1994).
	AT	<u>35</u>	

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